

Guard Against FOD With a Cover

HEY SERGEANT
BLADE, IT LOOKS
LIKE THIS COVER
DOES THE TRICK.

GOOD JOB,
SOLDIER!

THE IMPELLER
IS PROTECTED
AND OUT OF
HARMS WAY LIKE
THE TM SAYS.

USE THE COVER
EACH TIME YOU
INSPECT THE
AIR INDUCTION
SYSTEM.

HERE'S
ANOTHER GOOD
IDEA TO KEEP
PM GOING
STRONG!

Dear Sergeant Blade,

When we inspect, clean or perform maintenance on our Kiowa Warrior's air induction system, it usually involves removing the engine cowling and the particle separator cowl.

We inspect the particle separator swirl vanes on the impeller for cracks or damage. Sometimes we perform other maintenance on the engine, too.

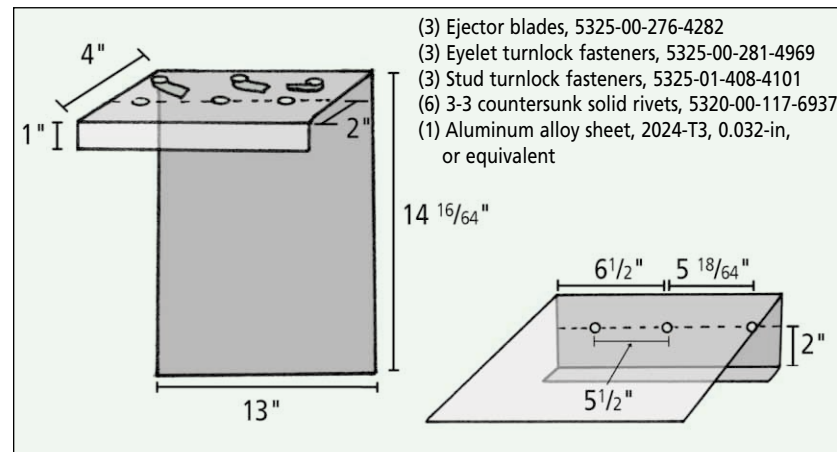
But all too often the impeller is left unprotected and is damaged by dropped tools or careless feet. If that happens, the aircraft is NMC.

In addition, cleaning rags are sometimes left in the impeller area while other maintenance tasks are performed.

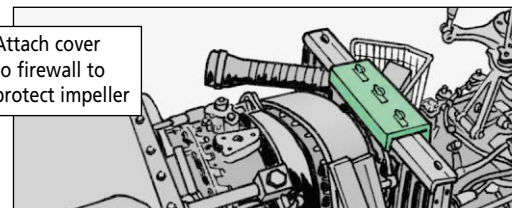
Once the bird is assembled, started and goes out for a flight, that out-of sight, out-of-mind rag becomes FOD. If it's ingested through the impeller vanes and into the engine, it could cause engine and drive shaft damage.

We've come up with a bellmouth cover, painted red and stenciled with the words "DANGER," that will protect the impeller vanes and keep FOD out of the air inlet.

Have your AVIM shop use the following dimensions and materials to make the cover. Attach the mouth cover to the firewall while doing maintenance.



Attach cover
to firewall to
protect impeller



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